

West Des Moines, IA

PROJECT: Scott Co, FY24 Env Comp, IA 27223210.24 DATE: 9/6/2024
SUBJECT: Scott Area Sanitary Landfill - 82-SDP-09-92P - 2024 Spring Sampling Notification TRANSMITTAL ID: 00007
PURPOSE: For Record VIA: Info Exchange

FROM

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TO

NAME	COMPANY	EMAIL	PHONE
Mike Smith 502 East 9th Street Des Moines IA 50319-0034 United States	Iowa, State of	mike.smith@dnr.iowa.gov	515-725-8200
Becky Jolly		becky.jolly@dnr.iowa.gov	

REMARKS: Good afternoon -

SCS Engineers, on behalf of the Waste Commission of Scott County, is submitting the attached 2024 Spring Sampling Notification for the Scott Area Landfill. If you have any questions or comments regarding this report, please contact Nathan Ohrt at 319-331-9613 or nohrt@scsengineers.com.

Thanks,

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Transmittal

DATE: 9/6/2024
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COPIES:

Brian Seals (Waste Commission of Scott County)
Bryce Stalcup (Waste Commission of Scott County)
Nathan Ohrt (SCS Engineers)
Tim Buelow (SCS Engineers)
Sean Marczewski (SCS Engineers)

September 6, 2024
File No. 27223210.24

Mr. Mike Smith, P.E.
Iowa Department of Natural Resources
Land Quality Bureau
6200 Park Avenue
Des Moines, Iowa 50321

Subject: 2024 Spring Sampling Notification
Scott Area Sanitary Landfill
Permit No. 82-SDP-09-92P

Dear Mike:

SCS Engineers, on behalf of the Waste Commission of Scott County, is submitting herewith a summary of the 1st 2024 semi-annual sampling event for the Scott Area Sanitary Landfill (Landfill) in general accordance with Iowa Administrative Code (IAC) 567-113.10(5) and 113.10(6).

During the 2nd 2023 statistical evaluation, statistically significant increases (SSIs) above background were indicated for arsenic at monitoring well OP-14 and vanadium at monitoring well MW-43. The result of retesting performed on March 12, 2024, for arsenic in OP-14 was below the prediction limit and vanadium was not detected in MW-43, so the indicated SSIs were not confirmed.

Groundwater sampling was completed on June 4-5, 2024. The associated field sheets were completed. The samples were shipped and received at the laboratory with acceptable preservation requirements and appropriate temperatures. Statistical evaluation was performed using analytical data received from the laboratory. The field sheets, laboratory analytical reports, data validation documentation, and output from the statistical evaluation will be included in the 2024 Annual Water Quality Report.

Statistical evaluation results for the 1st 2024 semi-annual sampling event are summarized in Table 1.

Table 1. 1 st 2024 Statistical Evaluation Summary			
Monitoring Point	Monitoring Program	Indicated SSIs	SSLs
MW-107	Background	Background data collection.	
MW-114	Background	Background data collection.	
OP-14	Detection	Arsenic	-
OP-19	Detection	None	-
MW-20AR	Assessment	-	None
MW-41	Detection	None	-
MW-42	Detection	None	-
MW-43	Detection	Copper	-
MW-48	Detection	None	-



Table 1. 1st 2024 Statistical Evaluation Summary			
Monitoring Point	Monitoring Program	Indicated SSIs	SSLs
MW-117	Detection	None	-

There were two monitoring well/constituent pairs with indicated SSIs above background. The indicated arsenic SSI in monitoring well OP-14 and indicated copper SSI in monitoring well MW-43 will be retested before the next semi-annual sampling event.

No changes to the Landfill's monitoring program are recommended based on the results from the 1st 2024 semi-annual sampling event.

Services were performed in general accordance with IAC 567-113.10 and the current requirements for implementation of the Hydrologic Monitoring System Plan (HMSP) for the Landfill. This correspondence constitutes the 2024 Spring Sampling Notification. A site map is included in Figure 1.

If you have any questions regarding this notification, please contact Nathan Ohrt at (319) 331-9613.

Sincerely,



Nathan Ohrt
Senior Project Professional
SCS Engineers



Timothy C. Buelow, P.E.
Senior Project Advisor
SCS Engineers

NPO/TCB

Copies: Bryce Stalcup, Waste Commission of Scott County
Brian Seals, Waste Commission of Scott County

